and heart in which was found These Ryes that were the windows of my prison to God haverisen From these, all these, deathis angel bids me seaver. Dear comrade body fare you I go to mine heritage and going yo with all the Joy the freed soul cantron Tet in my spirit wanderings of trust I may sometimes passeness

Hourth Dimenuion In the ever trace of the business a new form results whose parts are I hear lines are the unit of the structure to doch other to four a ville The simils of the abructure of the wife are a squared It is said they obtain a nother four whose units are also In the Speare the 4 lives and 4 in points of all the squares are visible in the 4th dimer simil figure Williams lines squares and cables are all with

Human things and all drings trong in the dimensional eveles convert france arress to any other dimension "at existince for be his way way conceious of anything valorde of the frastruliar three dimension they acrapy or beyond their bounds -res If such limitalined not exist our powers would be very narvellow such as About before to us as we are to which add freed from our boundaries that limit us physically The universe seems wast begind all comprehension spare is to us all but incomprehensible this work not be so if we wild for in Counclaires The distance from star to star reveled be but a lette flight and this would dies after all concepts formed by over inhibition such as turn us now

Indomech as we have lines and a form constructed of lines and a figure constructed of flows or a grave called a east their westered that would have to be known as 4th America

afterstoring from The

No Matter how want me way make the same sould be the boundaries of the dimension would still be that the space that there space bears to the space that there space bears to the space space is determined by three space of ferer space is determined by three space

The figure produced by placing the rube where the square was lived sions whilst the well is the bube and not to be confounded with this new

The suddividing of a square and in the direction of this dimencia in asselved to its pmaller ex In a like morner of live may moved to partiens that exist in two dimensions this broken line is viewed from A it will afrear to be the show as ter it was moved It follows therefore that if we are a water and more is subdivided for in the direction of fourth driveres in et will appear as a rate still when weened

The Hourth dimension faces one half of the ende a line has length only a Square has two dimensions form its bound wies by moving the lines 1.2.3.4 in the direction of the 2 the certal agree until The source is produced The square that havene apace inclosed by the lines 112-3-11

One directions upon a point Two dimensions converge from all strections at right Angles. to one dimension Three dimensions converge from all directions at right angles to two simensions Faur dimension sonverges from all directions at right angles to three dimensions

a great number of lines can conv all directions To illistrate this use a bout of shellers and stick histed a large number of Eguares can converge upon a line from all directions at right angles to its length or one dimension Two rubes can corner ge upon the two pases of a square from two directions at right angles to its surface

all angles Squares tetrads symmetrical forms can be subdivided into seriets of their four exactly like themselves but amore. The A SUC ?

the true plierer that will reflect a correct smage This produced by pearing two Merrons the image correctly so that the Right hand of the image is the same as the original

Mirrors froducing 4 2 force Two have minora are mounted no as to form to two sais of a store (2) in their interior engles that are 40" not may produce the image of the trues forming the soundaries of a second by placing a wish and dowing attends stugately leveled the endoy the noch resting afron the fores of the surerin marked by the two-from A B. This will produce and smage of the west repeated three times and will form well rod itself a perfect square the mirrors it well be seen are entirely in Three space relative to the agreared they may generate 25 - son now revolunt a set of mirror that well make a cube of our square the mirrors extending awholly on the fourth dimension relative to The cabe generated by the squee in the com meaning of the term so we found in the govern of a square from a line

Law of transposition of Nather all soled forms may be symmetrically subdivided the reversing or lettering autourd of There subdivisions changes the original from to the next higher type Planes occupy the places of the previous lines generally I'he new form will inclose twice the volume this can only between I this apare

Transposition of Octobertion The soled substance of the Gelletin may be sur disid I with light parts these sections way be turned inside out producing a rube whose inside whape to that of the actitudes

a line has two ends - Points a square " four edges - lous a cube " six sides - squares a leuboid " leight for - loubie a live has leve family a squer , four lines a cube " des houses 1 8 lembes

two points bound lines there lines how treangles four triangles bound tetrahedrons Lebrahedrons combine to construct figures in two ways the apex turned in or out 20 tetrahedrow (apex in) from a sphere having 20 faces

The crossing and interturing or three dimensional figures att angles to each etter is he thend by six pyramids that form a cube when put to seller. a section is semoved from the corners of each of the pyranely so that instead of the square forming the base of the Jegranued a new square is produced X mark The sections to be These when but together & so as to four a cube will produce three three dimensional soleds crossing each other at right angles

Intersecting or braceing Three planes crosseach other at night angles in a subsenfugat subse Hour planes cross each atter in the subdivision of a cabe nito six figuresis the faces of the cope bring the cares of the freguents Four planes ervor each ther in the four square segment of the devole pyramed formed by removing a double pyramid from its two affects to their meeting place at the centre all freguenrals dre miceount by eight fleaves The tetrahedron is welcerd by four planes They can cross it right angles In three interturned prisoneds tight planes crossat its entre Ino intertumed Letrahedrow melose a space bounded ly ergot planes The Wodecakedren is formed of six double pyramide and has sist planes crossing in The direction of from line twhen crossing the ente

Thee Dimensional planes These are found in the sourtrection of a rule with rubes The line of eubes extending from the corners to the exertie and thouse extending from the edges inward represent a three Diversioned plane that takes the place of the planes of the rube rober the Two stimes ind progresseds are used I here planes can be traced in all forms remetrested of cubes Gube face extends inside This line or forms

All diversions try out watcher More, our Lorent enis her for 12 -

Inferior Medicere Super or The determination of a higher dimension from a lover is based upon the higher conditions of expression found in the lower smaller squares the HIII It will be seen a once That the equares at the cornerspan an advantage over all the other squares since two of their sides are exposed whilst the others for only one a rube is rubdio rdid into smaller rubes 1777 It is evident that the comes where occupy a superior position over the edge rubes and these in turn have an advantage over the face rubes the romer while having three sides exposed, the edge rubes have two and the face cubes one From the preceeding it is evident that

The next higher form will have the following conditions Its face rubes will have two side exposed its edge rubes will have there and its corner rubes four sides exposed this is realized in the Rhombakedron of rules the next higher from will have three sides of The ruber forming the faces exposed the edges will have four sides exposed and the corners five. This is a description of the cubic Octabedien o The next tagher from will have four sides of its face rules exposed, The edges well have five sides exposed and the corners six This form is the Rhombie Dodera - hedrom having edges of cubes afternating with each other amoss its free The next higher form will for five rides of the cubes forming it faces exposed Itsedges will have six

and its corners six The next higher durien --ased ion The cuber forming its vides will have six sides Caposed The edges will have six sides exposed The comers will have six sides exposed hidden rubes that have been hidden within the cube have in the seventh dimension become egist with those on the putside

section of cube for during when turned outward three twining

a swell witting needle is fraed in a support so that it stouds perfendicular to the surface of a table a word is sent to form the three sides of a square and fixed in a light support so that the netting weedle forms the other side of the square there where fully needs if we look down in The direction of the length of the accoldence see that the best wire square occupies out a small postion of the region about the wetting needle, and that we will. place a number of such squares around The nitting needle each of which would have the needle as their fourth side.

It is possible for the pigures bounded by comers of planes to be the third Timenrion three dimensions should have I planes crossing each attend

The Rube has on subdersion sis hyverridal section having their apreces set The Rhowlis Doderakidror has twelve py would sections having some angle as e whe but having the covered of the forward at the electro The Rhowsie Doder the on has the same gaces as the Octoberhor engle that they are cubic By flowing the right sections of the Dider of the faces of the Octob down the cetter is allenged to the former

Points Bough lines lines bound planes, Planes to und subles, touber bound fourth Dines The adding of lines to any two dimensions form does hot cause it to become a three dinersit was one of added in the same peane wit may this wicke a four out of a three sided figure on a five sided but this does not cause it to become three dimensional The addition of faces to a live dimensional figure cannot therefore cause it to become fourth Dimenson no matter how many many be a del we must assume therefore that The statement that is made that the fourth Dunersional suble has eight faces is not correct since the boundaries of two stimers are stope at the third divension and the fourth must be bounded by cubes also that it must have eight cubic

Boundaries In other words it will have sight faces formed is the subset of the figure is realized in the subset of the figure is realized rides, a cube has six two dimen faces. The cubic octoberton has eight cubic faces

Ans gression of boundaries Aline is bounded by laws fromto a square is bounded by four lines a wibe is bounded by six someres The addition of more lines to a square will not make it three dimensional if the added lines are in the same plane neither will the addition of more squares to a rube make lit fourth dimensional if in the same three share

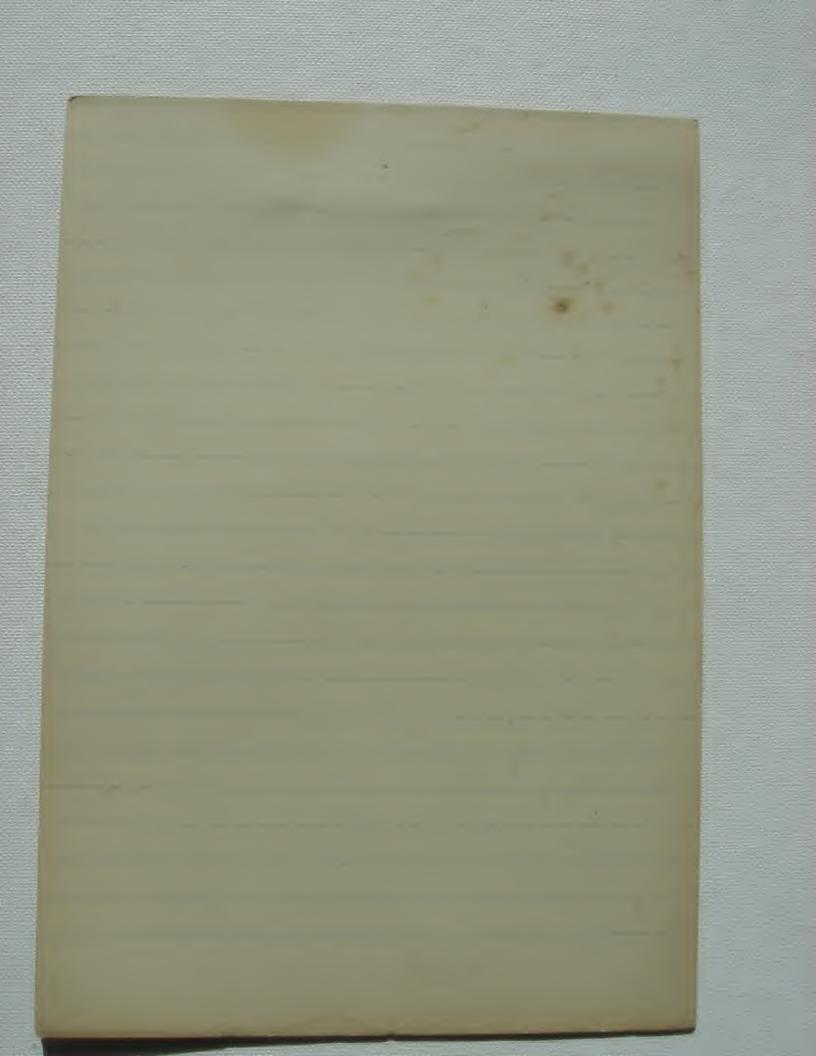
an infinite plane may be divided bytevo, lines crowling at right angles es that Glore beings living in such a universe would be unconscious of those living on the other side of the bries from the other (this is an accomplished)

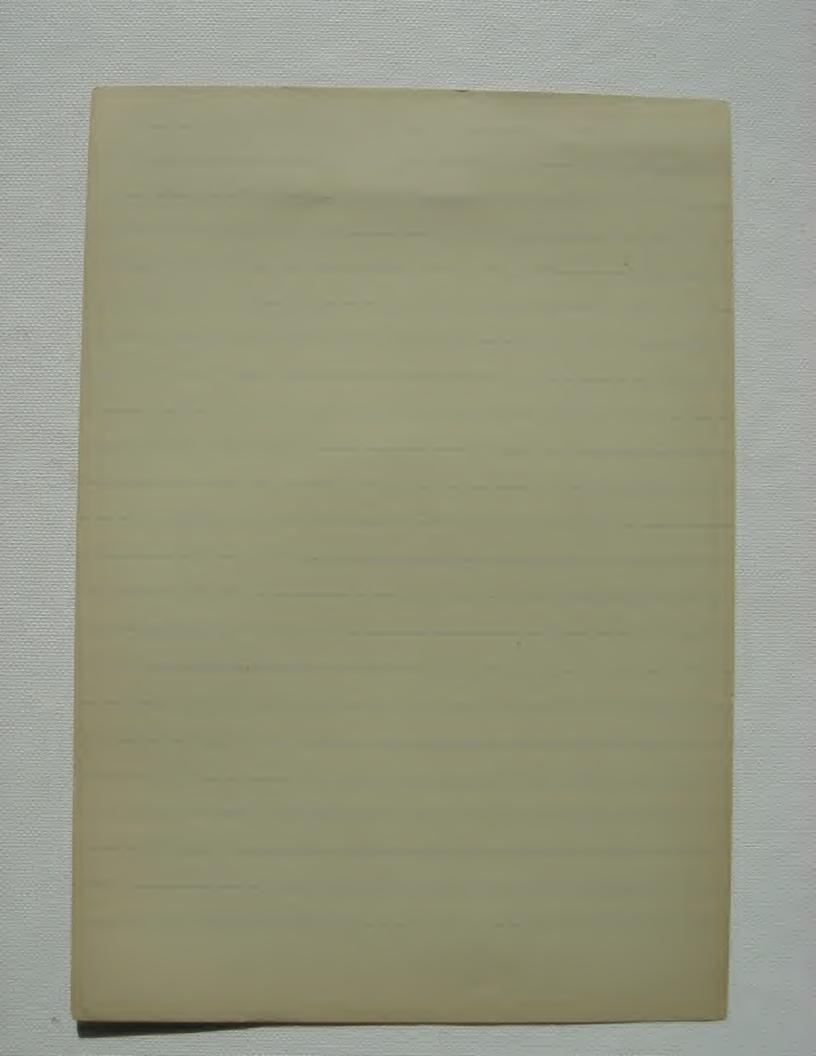
The deaving of spare by three infinit planes at right an ales to each wither divides space into eight three dimensional regions seperated from each other By Three board aries that limit early of the three dimensions completely seperceting them from each atter; since it three dimensional being rould occupy and precious that dimension only in which he was the other seven three dimensional spaces would be invesible and would be beyond the boundoness of his world

a plane 4 points determine the linension of points determine four dimension

The movement of one point in one dimension space produces a line The new vement of two lines in two dimensional space in directions that crosseach other poderess a square The movement of three squaresin three dimensional space in directions that cross each other produces auch The movement faur debes in four dimensional space in directions that cross each ather produces a cube of cules

an motionent that would control the movements of an dreoflane in a perfect manner is a longound Syrveye having sex heavy notating disks mounted of seperate shafts all shafts converging to one centre from the sex fly wheele Carl fair of wheels will be on apparetients of a snort seperated at its rentre so no to rotate each pour in opposite. directions Such i device under high speed of rotation exuld not be twisted from its position in any direction The areofilare frages would be kinged to this device so as to charge it to different angles for scaling urcleing descending Wind Masts could not telt In turn euch a devect W. Thora Builo Erecido Claudie S. Kinraide 13 Winthrop Rd. Wayland, MA 01778





and, Strong to long have beat my wings and tried to, free from they narrow limits and control, forthe into space the true home of the soul Get now, yet now that wine hour is drawing near, I paise relacted. finding you so dear. all joy awaits me in the realms Must you my conrade moulder neath Iwas your prisoner yet you were mer Your captive, yet, obedient you gave, to all my carliest wishes and Whilst now to the worms I give there or willing hands that toiled forme or heald the books Those feel that trad where I bed then These arms that classed my dearnes,